

Advertisement for Postdoctoral Position

Applications are invited from highly motivated and qualified candidates for a Postdoctoral Research Position under the mentorship of Dr. Kailash Chandra Jena, Department of Physics, Indian Institute of Technology Ropar. The candidate should have strong expertise and research experience in one of the following areas:

1. Hands-on experience in handling high-power laser systems, Exposure to nonlinear optical techniques and processes, and high-power laser-based molecular spectroscopy

OR

2. Strong background on Polymer and Graphene-Based Nanocomposites / Laser-Induced Functional Material fabrication for electronic and sensors (Biosensors, Environmental) applications

OR

3. Multiscale Physics at Interfaces using either Molecular Dynamics (MD) Simulations or COMSOL modeling

OR

4. Physics of Droplet Dynamics at Various Surfaces and Liquid Flow

The position is contractual and may be extended for up to 1 year, subject to the candidate's satisfactory performance, with renewal every 6 months.

Essential qualifications: Ph.D. degree holders or having Thesis submission certificate are eligible to apply.

Upper age limit: 35 years (Relaxation as per GoI norms is applicable).

Emoluments: The selected candidate will receive a consolidated fellowship of Rs.60000/- per month.

How to Apply? The application form is given on the following sheet

To apply, send the following by email to the undersigned:

1. Completely filled application form (given on the following sheet).
2. A brief research proposal for one year
3. A detailed CV (detailing prior research experience).

Last Date for receipt of application: 30/03/2026

The short-listed candidates will be called for an online interview. After selection, the candidate must join immediately upon receiving the offer letter, in accordance with the Institute's joining rules.

For any inquiry, write to kcjena@iitrpr.ac.in

Dr. Kailash Chandra Jena,
Principal Investigator,
Associate Professor,
Department of Physics,
Indian Institute of Technology Ropar,
Rupnagar -140001, Punjab.
kcjena@iitrpr.ac.in



INDIAN INSTITUTE OF TECHNOLOGY ROPAR

APPLICATION FORM FOR THE POST DOCTORAL FELLOW POSITION

Area of Research		Affix Recent Passport Size Photo
-------------------------	--	---

Personal Details

Full Name (in Capital)															
Father's Name (in Capital)															
Date of Birth (DD/MM/YYYY)						Category (SC/ST/OBC/GEN)									
Gender (Male/Female)				Marital Status (Single/Married)				Nationality							
Communication Address							Permanent Address								
Mobile Number						Email ID									

Details of Educational/Professional/Technical Qualifications (from Matriculation onward):

Sr. No.	Degree	Discipline	University/College	Regular/Part-time	Year	%age of Marks	Division
1							
2							
3							
4							
5							
6							

If PhD degree not awarded: Date of thesis submission:

Title of Thesis

.....

.....
.....
Publications and Patents: **(Please attach list of publications and patents with full references)**

- (a) No. of Papers(i)Published.....(ii)Accepted.....
(b) No. of Books published,
(c) No. of patents: (i) Filed:.....(ii)Granted.....

Prizes, Honours, Awards, Distinctions, if any:
.....
.....
.....

Fellowships held:

Name of fellowship	Name of the sponsoring agency	Date		Amount	Name of the Host Institute
		From	To		

Give details of employment, if any

Sr. No.	Name of the Organization	Designation	Period		Nature of Work
			From	To	

List of Enclosures: (Please tick)

1. Proof of thesis submission.
2. List of Publications.
3. Research Proposal

DECLARATION

I hereby declare that I have carefully read the instructions and particulars supplied to me and that the entries made in this application form are correct to the best of my knowledge and belief. If selected for admission, I promise to abide by the rules and discipline of the Institute.

I note that the decision of the Institute is final with regard to selection for admission. The Institute shall have the right to expel me from the Institute at any time after my admission, provided it is satisfied that I was admitted on false particulars furnished by me or my antecedents prove that my continuance in the Institute is not desirable. I agree that I shall abide by the decision of the Institute, which shall be final.

Place:

Date:

Signature of the Candidate